Acta Zootaxonomica Sinica, 30 (4): 733– 734 (Oct., 2005) ISSN 1000-0739
动物分类学报

A NEW SPECIES OF THE GENUS OXYTATE FROM CHINA (ARANEAE, THOMISIDAE)

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Abstract This paper describes a new species: *Oxytate minuta* of the spider genus *Oxytate* from Hunan Province. Type specimens are deposited at the College of Life Sciences, Hunan Normal University. Measurements given are in mm.

Key words Araneae, Thomisidae, *Oxytate*, new species.

The genus *Oxytate* was created by L. Koch, 1878, and presently includes 21 species (Platnick, 2005) from Africa, Australia and Asia. 5 species have been recorded from China. Spiders of the genus *Oxytate* are usually medium to large-sized thomisids. Alive spider with slight green body-color; dorsum with traverse stripe forming scutum caudally, and split like segments; male lateral tibial apophysis long, distally curve & strongly sclerotized. Specimens in our collection are easily to be identified as the species of the genus *Lysiteles*, both with the small body (2.60). But the abdomen caudally segments and the structure of male palpal organ are strictly similar to those of the species of the genus *Oxytate*. The new species is similar to *Oxytate hoshizuna* Ono, 1978 in the structure of male palpal organ, so we think it belongs the representative of the genus *Oxytate*.

Abbreviations. AL= abdomen length, AW= abdomen width, AME= anterior median eye, ALE= anterior lateral eye, AME-AME = interval between AMEs, AME-ALE= interval between AME and ALE, CL= carapace length, CW= carapace width, L= length, MOQ= median ocular quadrate, PME= posterior median eye, PLE= posterior lateral eye, PME-PME= interval between PMEs, PME-PLE= interval between PME and PLE, TL= total length.

Oxytate minuta **sp. nov.** (Figs. 1-3)

Measurements. ♂: holotype, TL 2.60. CL 1.50, CW 1.20; AL 1.30, AW 0.90. AME 0.05, ALE 0.10, AME-AME 0.30, AME-ALE 0.26; PME 0.04, PLE 0.09, PME-PME 0.25, PME- PLE 0.35. MOQ L 0.35, front 0.30, back 0.25. Leg measurements are shown as following: total length ((femur+ (Patella+ tibia) + metatarsus+ tarsus)). Leg Ⅰ 4.60 (1.50+ 1.70+ 0.80+ 0.60), leg Ⅱ 4.80 (1.50+ 1.70+ 1.00+ 0.60), leg Ⅲ 3.50 (1.00+ 1.40+ 0.60+ 0.50), leg Ⅳ 3.10 (0.80+ 1.20+ 0.60+ 0.50). Leg formula: Ⅱ, Ⅰ, Ⅲ, Ⅳ.

Description. Male. Carapace elevated with some scattered strong setae, grayish brown, margins dark brown, area of fovea light brown, fovea depressed. Cervical grooves light black brown, radial grooves black brown. Both eye rows recurved, Tubercles of lateral eyes big, lateral eyes on large contiguous tubercles. Sternum near triangular, light yellow, median area smooth, sides with long setae. Chelicera light brown, no teeth, instead with a row of bent thick hairs. Endite light yellow with oblique distal end. Labium grayish brown, relatively short. Legs light yellow, with many spines; femur, patella, tibia all with 2 dorsal spines of four legs. Abdomen: anterior wide and round, posterior pointed, margins with long thick setae; dorsum light grayish brown, with four transverse black brown stripes bearing setae and some small white spots, which forms scutum caudally and split like segments, 2 pairs of muscular depressions visible; the ventral light yellowish brown with brown oblique lines merged posteriorly. Spinnerets light grayish brown.

Male palpus: light brown. 2 tibial apophyses, ventral one short, pointed; retrolateral wide and flat, its end bending outwards. Sperm duct circles in the tegulum bulb. Conductor wide, twist and circle around the embolus. Embolus elevated on the bulb, its end pointed.

The present study was supported by the Natural Science Foundation of the Education Department of Hunan Province; the Natural Science Foundation of Science and Technology Department of Hunan Province, and the National Natural Sciences Foundation of China (30050002).

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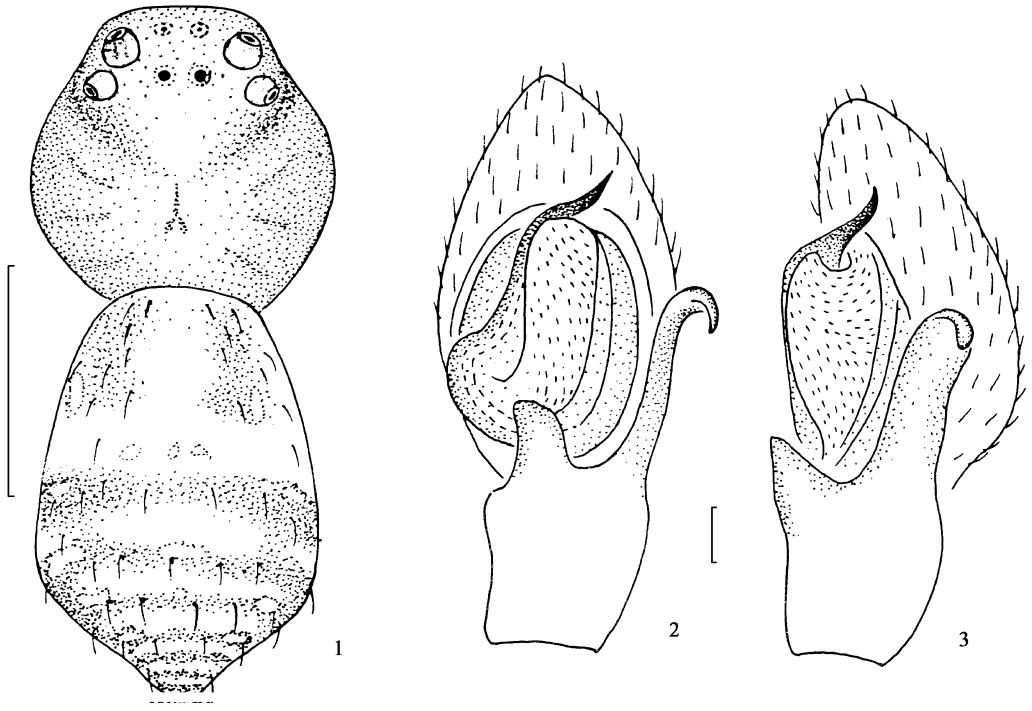
Received 19 Dec. 2004, accepted 13 Apr. 2005.



Figs. 1-3. *Oxytate minuta* sp. nov. 1. Body (♂). 2-3. Left palpus. 2. Ventral. 3. Retrolateral. Scales bars: 1= 1.0 mm, 2-3= 0.1 mm.

Female. Unknown.

Holotype ♂, paretyepes 2 ♂♂, 6 July 2003, Jiangping Village, Mt. Huping (29°59′-30°08′ N, 111°29′-110°59′ E), Shimen County, Hunan Province, leg. TANG Guo.

Distribution. Hunan Province.

Diagnosis. This new species can be distinguished from *Oxytate hoshizuna* Ono, 1978 by: 1) total length much shorter (2.60 in the former and 7.00 in the latter); 2) embolus does not protrude from the bulb in the latter as found in the former.

Etymology. The specific name refers to the small body size of the type.

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中国绿蟹蛛属一新种记述 (蜘蛛目, 蟹蛛科)

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摘 要 记述了采自中国湖南省石门县壶瓶山国家自然保护区境内的蟹蛛科 Thomisidae 绿蟹蛛属 *Oxytate* 1 新种: 微绿蟹蛛 *Oxytate minuta* sp. nov., 新种与冲绳绿蟹蛛 *Oxytate hoshizuna* Ono, 1978 较为近似, 但有以下几点不同: 1) 身体大小、形状差别较大, 本种身体微小 2.60, 而后者一般在 7.00 以上, 2) 本种插入器隆起于生殖球之上, 而后者并不如此。模式标本保存在湖南师范大学生命科学学院。文中量度单位为 mm。

词源: 本种以其体型微小而命名。

关键词 蜘蛛目, 蟹蛛科, 绿蟹蛛属, 新种.

中图分类号 Q959.226